

## Fluorescent Lighting Fixtures VEFL Series

Wet Locations  
NEMA 4, 4X, 7

### ❖ Type of Explosion-proof

Flameproof-Increase Safety (Ex ed IIC T4 IP66)  
Flameproof-Increase Safety-Special (Ex eds IIC T4 IP66)



<VEFL 18W>



<VEFL 36W>

### ❖ Application

VEFL Series Fluorescent lighting fixtures are used ;

- were ignitable concentrations of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operation conditions.
- in installations where moisture, dirt, dust, vibration, corrosion and rough usage are problems.

### ❖ Standard Materials

- Body : Glass fiber polyester
- Globe : Polycarbonate
- Inner Reflector : Engineering Plastic

### ❖ Compliance

- IEC 60079-0, 1, 7

### ❖ Certification

- Certified by KOSHA (Korea Occupational Safety & Health Agency), KGS (Korea Gas Safety Corporation), and the others.

### ❖ Standard Finish

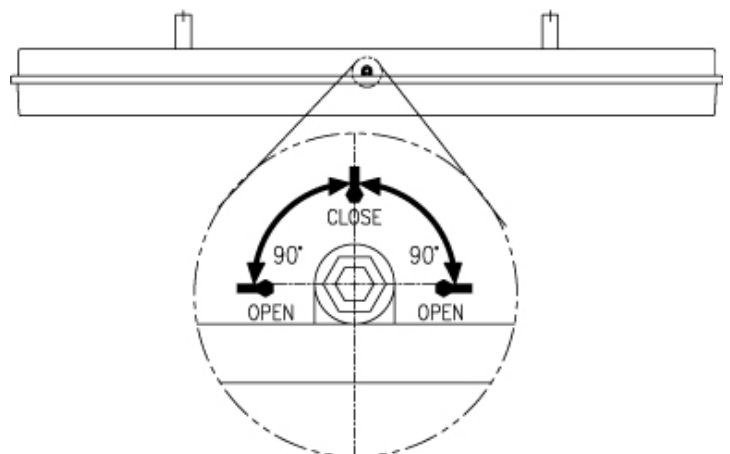
- Natural
- If you want another color, contact us please.

### ❖ Technical Data

Electrical Rating				
Rated Voltage	AC110V/ 220V/ 240V			
Rated Wattage	18W/ 18W×2/ 20W/ 20W×2/ 32W/ 32W×2/ 36W/ 36W×2/			
Battery	7Ah NiCd-Battery			
Emergency light operation time		1.5h	3h	
Emergency light power	18W	90%	45%	
	36W	45%	25%	
Entry Size	1/2" 3/4" 1"			

### ❖ Features

- Simple construction of enclosures.
- Safety operation and ease of maintenance.
- With the electronic ballast or Inductive ballast to be high power factor, and integral emergency light.
- With folding protective bowl of polycarbonate without wire guard for the most efficient light distribution.
- To open cover, insert tool (8mm Hex Wrench or 13mm Socket Wrench) in key hole and turn right or left 90° as below figure.
- For single- and two-pin fluorescent lamps
- All-pole disconnection via N/C switch when opening cover or battery enclosure.
- Maintained emergency operation 1.5h or 3h



### ❖ Weight

Catalog No.	Weight
VEFL 31212	5 Kg
VEFL 31252	8 Kg

⇒ If you need more information, contact us please

Lamp	Watt(W)	Voltage(V)	Catalog Number
Fluorescent Lamp	18W×1	110	VEFL 31111
		220	VEFL 31211
	18W×2	110	VEFL 31112
		220	VEFL 31212
	32W×1	110	VEFL 31131
		220	VEFL 31231
	32W×2	110	VEFL 31132
		220	VEFL 31232
	36W×1	110	VEFL 31151
		220	VEFL 31251
36W×2	110	VEFL 31152	
	220	VEFL 31252	

<u>VEFL</u>	<u>3</u>	<u>1</u>	<u>1</u>	<u>4</u>	<u>1</u>
①	②	③	④	⑤	⑥
① VEFL Lighting Fixture	② Ballast Type				
③ Mounting Type	3 - General Type				
1 - Pendant	4 - Emergency Type				
2 - Ceiling					
3 - Wall Bracket	④ Voltage (V)				
4 - Hexagonal Screw	1 - 110				
5 - Eye Bolt	2 - 220				
6 - Pipe Clamp	3 - 230				
⑤ Lamp Wattage (W)	4 - 240				
1 - 18					
2 - 20	⑥ Quantity of Lamp				
3 - 32	1 - ×1				
4 - 40	2 - ×2				
5 - 36					

<VEFL 31252>

+ Lamp : FL36×2  
(2×2500 lm)

+ With globe and guard

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☞ right picture explanation

+ Blue : Normal to Lamp

+ Red : Parallel to Lamp

The diagram is a light distribution plot for the VEFL 31252 fixture. It features a circular grid with concentric circles representing beam diameters of 36.0, 72.0, 108, and 144 feet. Radial lines indicate beam angles from 0° to 90°. Two curves are plotted: a blue curve for 'Normal to Lamp' and a red curve for 'Parallel to Lamp'. The red curve is wider, indicating a larger beam spread. A scale bar at the bottom left indicates 'cd / 1000 lm'.

0°-180°(Blue)		90°-270°(Red)	
Angle	cd/1000 lm	Angle	cd/1000 lm
0	169	0	169
10	158	10	169
20	158	20	156
30	146	30	145
40	124	40	145
50	101	50	133
60	79	60	120
70	56	70	109
80	23	80	85
90	5	90	60